

#017301448

12/08/03 →

10/11/00 (Earliest date)

Examiner's copy

## IN THE CLAIMS

Please amend the claims as follows.

Claims 1-12 (Cancelled)

13. (new) A process for the combustion of volatile organic compounds <sup>comprising</sup> including the ~~step of~~ contacting the volatile <sup>organic</sup> compound with oxidation catalysts comprising mixed oxides of copper, manganese and one or more rare-earth metals, wherein the metals can assume multiple valence states, having a percentage composition by weight, of 35-40% CuO, 50-60% MnO and 10-15% La<sub>2</sub>O<sub>3</sub>.

14. (New) The method of claim 13 <sup>process</sup> including the step of contacting the volatile organic compounds in a gaseous effluent. <sup>comprises</sup>

15. (New) The method of claim 13 <sup>process</sup> including the step of contacting the volatile organic compounds in a gaseous effluent from chemical or printing industries. <sup>comprises</sup>

16. (new) The method of claim 13 <sup>process</sup> including the step of contacting the volatile organic compounds present in gaseous effluents of reactors for the solid state polycondensation of aromatic polyester resins. <sup>comprises</sup>

17. (new) The method of claim 16 <sup>process</sup> including the step of supplying a <sup>stoichiometric</sup> stoichiometric amount of oxygen for the combustion of the volatile organic compounds to carbon dioxide and water. <sup>comprises</sup>

18. (new) A process <sup>for</sup> of the combustion of hydrocarbons in the burner of thermal power stations for generating electricity <sup>comprising</sup> including the step of contacting the hydrocarbons with oxidation catalysts comprising mixed oxides of copper, manganese and one or more rare-earth metals, wherein the metals can assume multiple valence states, having a

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percentage composition by weight, ~~expressed as CuO, MnO and rare-earth oxides (in which~~  
the metal has the lowest valence) of, respectively, 8-50%, 10-75% and 2-15%.

Respectfully submitted,

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[13-18] pending

[13-17] A process for combustion of  
Volatile organic compounds %

oxidation catalyst %

{ 35-40% = CuO  
50-60% = MnO  
10-15% = La<sub>2</sub>O<sub>3</sub> }

(18) A process for combustion of hydrocarbons %

avr  
mn = 7-40%  
la = 1-25%  
cu = 5-20%

claims (18)  
mn = 10-75%  
la = 2-15%  
cu = 8-50%

423 / 245.3

502 / 303 ✓  
302 ✓  
304 ✓  
324 ✓  
345 ✓  
346 ✓  
355 ✓  
415 ✓  
439 ✓  
241 ✓  
244 ✓  
263 ✓

searched =